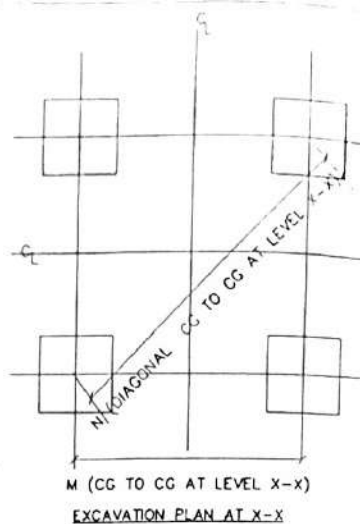
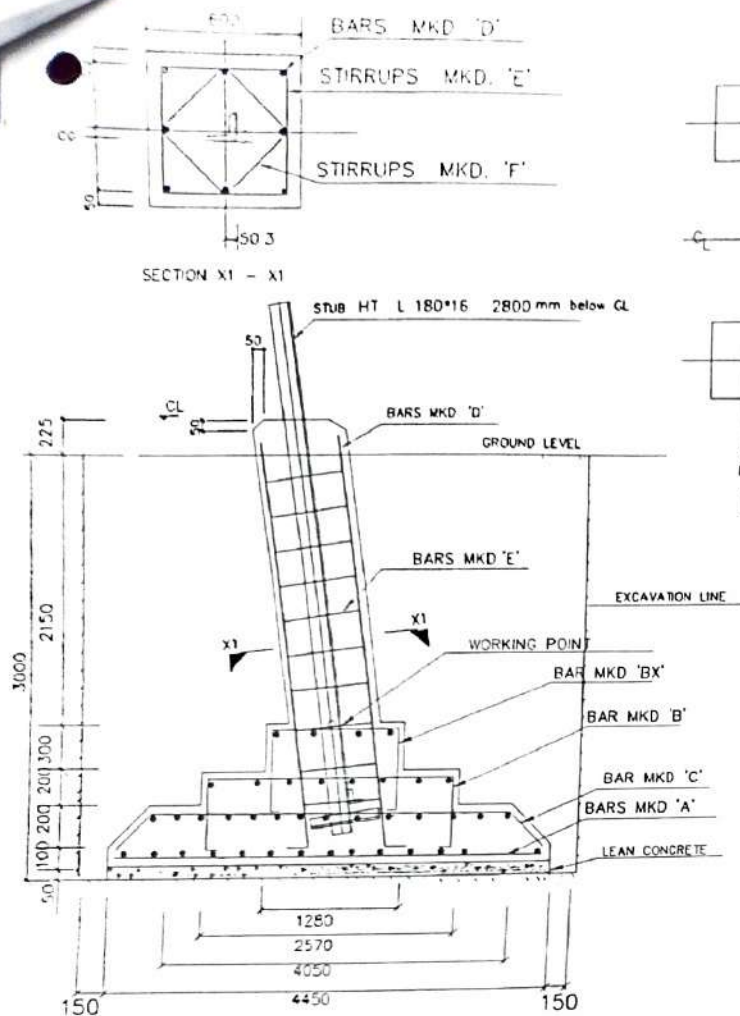




BAR TYPE	SECTION	BAR DIA (mm)	LENGTH (mm)	NOMINAL LEAD	NO. BARS REQUIRED	AREA REQUIRED (sq. m)	AT DIST PER TOWER (kg)
A	4150	16	4150	50	1.578	356.944	1427.70
BX	494 1180	12	2184	20	0.888	48.261	185.04
B	363 2470	12	3406	28	0.888	81.687	338.74
C	215 3950	12	4574	42	0.888	170.592	682.36
D	350 3000	20	3350	4	2.466	33.044	132.17
E	500	25	3350	4	3.960	51.724	206.89
F	354	8	2150	11	0.335	9.34	37.37
		8	1566	11	0.335	6.80	27.22
TOTAL REINFORCEMENT (kg)							753.4
							3037.5

The given drawing stands approved for structural details only and the quantities indicated in it.

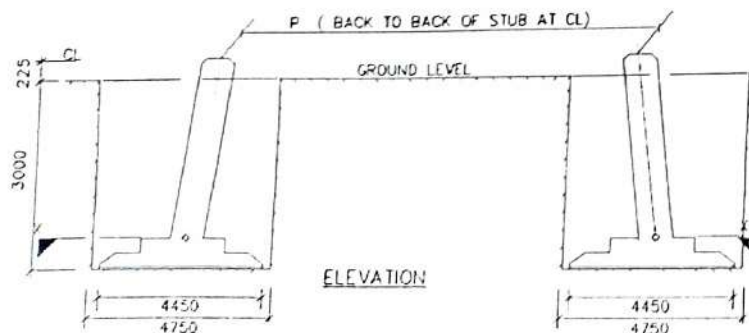
TOWER SLOPE TAN ALPHA = 0.27259

QUANTITIES / TOWER		
EXCAVATION	=	270.75 m ³
CONCRETE (1:1.5:3)	=	33.05 m ³
CONCRETE (1:3:6)	=	3.96 m ³
REINFORCEMENT	=	3037.57 kgs

NOTES:

- DRAWING NOT TO SCALE
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
- REINFORCED BAR USED Fe 500 CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3), LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6)
- WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE
- CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
- FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER STUB DRG.
- STUB SETTING/PROP SETTING TEMPLATE HAS TO BE USED IN EACH LOCATION OF TOWER.
- AT SITE PROPER COMPACTION OF BACK FILLED EARTH MUST BE DONE

SOIL PARAMETERS:	
TYPE OF SOIL :	DRY
UNIT WEIGHT :	1440 Kg/Cu.M
BEARING CAPACITY :	25000 kg/m ²
ANGLE OF REPOSE :	30 Degrees
WATER TABLE :	3 M FROM CL



Date: 12/09/2022

☒ अनुमोदित/APPROVED

☐ सुधार के साथ अनुमोदित
Approved With Correction

Checked by: [Signature] Approved by: [Signature]

अभिकल्प एवं परामर्श प्रकोष्ठ
Design & Consultancy Cell
दूर परीक्षण केंद्र/Tower Testing Station
यांत्रिक इंजीनियरी विभाग
Mechanical Engineering Division
केन्द्रीय विद्युत अनुसंधान संस्थान
Central Power Research Institute
बैंगलूरु / Bengaluru-560 080

BIHAR STATE POWER
TRANSMISSION COMPANY LTD.
(BSP TCL)

TITLE : FOUNDATION DRAWING OF
TT 4DD (NT+18/+25) EXTENSION &
SOIL TYPE- DRY

DWG. NO. CD_DD(NT+18/+25)_DRY SOIL_22(iii)(d)

SCALE : NTS SHEET 01 OF 01

Amareesh Kumar
A.E. (C), B.S.P.T.C.L. KUMAR ANAND
EE (CIVIL)
BSPTCL